

CLAIMS LISTING

- 1.(original) Image storage screen or panel comprising a binderless needle-shaped stimulable phosphor of CsBr:Eu, wherein amounts of Eu-dopant are in the range of from 100 up to 400 p.p.m. versus CsBr, and a substrate, and wherein said substrate has a surface roughness of less than 2 μm and a reflectivity of more than 80%.
- 2.(original) Image storage screen or panel according to claim 1, wherein said binderless needle-shaped stimulable phosphor has from 100 up to 200 p.p.m. of Eu-dopant versus CsBr.
- 3.(original) Screen or panel according to claim 1, wherein said reflectivity is at least 90%.
- 4.(original) Screen or panel according to claim 2, wherein said reflectivity is at least 90%.
- 5.(original) Screen or panel according to claim 1, wherein said reflectivity is at least 95%.
- 6.(original) Screen or panel according to claim 2, wherein said reflectivity is at least 95%.
- 7.(original) Screen or panel according to claim 1, wherein said substrate has a surface roughness of less than 1 μm .

- 8.(original) Screen or panel according to claim 2, wherein
said substrate has a surface roughness of less than 1 μm .
- 9.(original) Screen or panel according to claim 3, wherein
said substrate has a surface roughness of less than 1 μm .
- 10.(original) Screen or panel according to claim 4, wherein
said substrate has a surface roughness of less than 1 μm .
- 11.(original) Screen or panel according to claim 5, wherein
said substrate has a surface roughness of less than 1 μm .
- 12.(original) Screen or panel according to claim 6, wherein
said substrate has a surface roughness of less than 1 μm .
- 13.(original) Screen or panel according to claim 1, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 14.(original) Screen or panel according to claim 2, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 15.(original) Screen or panel according to claim 3, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 16.(original) Screen or panel according to claim 4, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.

- 17.(original) Screen or panel according to claim 5, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 18.(original) Screen or panel according to claim 6, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 19.(original) Screen or panel according to claim 7, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 20.(original) Screen or panel according to claim 8, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 21.(original) Screen or panel according to claim 9, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 22.(original) Screen or panel according to claim 10, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 23.(original) Screen or panel according to claim 11, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.

- 24.(original) Screen or panel according to claim 12, wherein
said substrate is an amorphous carbon layer, overcoated
with a reflecting layer.
- 25.(original) Screen or panel according to claim 13, wherein
said reflecting layer is a metal layer.
- 26.(original) Screen or panel according to claim 14, wherein
said reflecting layer is a metal layer.
- 27.(original) Screen or panel according to claim 13, wherein
said reflecting layer is an aluminum layer.
- 28.(original) Screen or panel according to claim 14, wherein
said reflecting layer is an aluminum layer.
- 29.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 1.
- 30.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 2.
- 31.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 3.
- 32.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 4.
- 33.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 5.
- 34.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 6.

- 35.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 7.
- 36.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 8.
- 37.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim 9.
- 38.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
10.
- 39.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
11.
- 40.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
12.
- 41.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
13.
- 42.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
14.

- 43.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
15.
- 44.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
16.
- 45.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
17.
- 46.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
18.
- 47.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
19.
- 48.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
20.
- 49.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
21.

50.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
22.

51.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
23.

52.(currently amended) A system for computed ~~radiograpy~~
radiography comprising an image screen or panel of claim
24.

53.(currently amended) A mammographic ~~applications~~ system
comprising the system for computed radiography of claim 29.

54.(currently amended) A mammographic ~~applications~~ system
comprising the system for computed radiography of claim 30.

55.(currently amended) A mammographic ~~applications~~ system
comprising the system for computed radiography of claim 31.

56.(currently amended) A mammographic ~~applications~~ system
comprising the system for computed radiography of claim 32.

57.(previously presented) A process for obtaining an image
comprising:

exposing said image screen or panel of claim 1 with image
radiation attenuated by an object or emitted by an
object;

storing said image radiation as stored radiation on said
image screen or panel;
exposing said image screen or panel to stimulating rays to
release said stored radiation as light;
collecting said light;
converting said light into electrical signals; and
producing an image from said electrical signals wherein
said image corresponds to said image radiation.